

Title (en)
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Title (de)
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VENTILATEUR

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Application
EP 19926832 A 20191029

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• CN 201910355989 A 20190429
• CN 201920608059 U 20190429
• CN 2019114160 W 20191029

Abstract (en)
[origin: EP3952077A1] The present invention provided a fan comprising: a motor including at least one stator assembly, at least one rotor arranged correspondingly to the stator assembly and a winding, wherein the stator assembly comprises a stator yoke portion and at least one stator tooth which are detachably connected to each other, the winding is wound on the stator tooth, the stator yoke portion is provided with a stator yoke slot and/or a stator boss which adapt to the shape of the stator tooth, and the stator tooth axially pass through the stator yoke slot and/or the stator boss to form a stator core. The fan also comprises a first rotating shaft connected with at least one rotor, wherein a first fan blade is arranged at one end of the first rotating shaft to drive the first fan blade to rotate when the first rotating shaft rotates. The fan provided by the disclosure has the advantages that the structure is simple and compact, the winding process is convenient and easy to operate, and the power expansion capacity of the motor is good; and the rotor and the first fan blade are connected by the first rotating shaft, so that the first fan blade can be driven to rotate by the first rotating shaft when the rotor rotates, and the wind power generated by the first fan blade can also be expanded along with the expansion of the motor power.

IPC 8 full level
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Citation (search report)
• [X] US 2017054352 A1 20170223 - LI YUE [CN], et al
• [IY] JP 2008228363 A 20080925 - DAIKIN IND LTD
• [IJ] EP 2012408 A1 20090107 - DAIKIN IND LTD [JP]
• [Y] US 2010072831 A1 20100325 - GADELMEIER MICHAEL-ADOLF [DE]
• [Y] JP 3639371 B2 20050420
• See also references of WO 2020220622A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
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